

CD90 Monoclonal Antibody (T11D7e)

Catalog Number

MA1-81249

Product data sheet

Details		Species Reactivity	
Size	250 µg	Species reactivity	Mouse, Rat
Host/Isotope	Mouse / IgM	Tested Applications	
Class	Monoclonal	Cytotoxicity Assay (CT)	Dilution *
Type	Antibody	Flow Cytometry (Flow)	Assay-dependent
Clone	T11D7e		1:5
Immunogen	Xenogeneic rat thymocytes.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	4° C, do not freeze		

Product specific information

This antibody recognizes mouse and rat CD90, a monomorphic determinant in rat but polymorphic in mice. Clone T11D7e reacts with Thy1.1 mice (i.e. AKR and FVB mice), but not Thy1.2 mice such as CBA and BALB/c. Clone T11D7e is usefull for removal of T lymphocytes from cell populations by complement mediated cytotoxicity.

Background/Target Information

CD90 (Thy 1) antigen is a GPI linked glycoprotein member of the Immunoglobulin super family. CD90 is expressed in murine T cells, thymocytes, neural cells, Kupffer's cells and fibroblasts. CD90 may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. CD90 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of CD90 led to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to the first biochemical description and characterization of a vertebrate GPI anchor. Diseases associated with CD90 dysfunction include nasopharyngeal carcinoma and thymoma.

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